

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: :

**J. MAUNUKSELA** :

Serial No.: **To Be Assigned** :

Filed: **Herewith** :

For: **Pulse Modulation**

Commissioner for Patents  
Mail Stop PATENT APPLICATION  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Applicants submit herewith references of which they are aware, which they believe may be material to the examination of this application and in respect of which they may have a duty to disclose in accordance with 37 CFR §1.56.

While this Information Disclosure Statement (IDS) may be "material" pursuant to 37 CFR §1.56(b), it is not intended to constitute an admission that any document referred to herein is "prior art" for this invention unless specifically designated as such.

I hereby certify that this correspondence is being deposited with the United States Postal Service on this date, September 16, 2003, in an envelope marked as, and with sufficient postage as, "Express Mail – Post Office to Addressee," Mailing Label No. EV 252883474 US, addressed to the Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

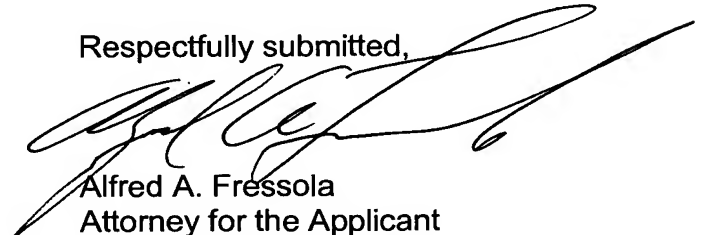
  
Annemarie Maher

In accordance with 37 CFR §1.97(g), the filing of this IDS shall not be construed to mean that a search has been made or that no other material information as defined under 37 CFR §1.56(a) exists.

Enclosed is a Form PTO-1449 listing the cited references. The relevance of each reference is specifically explained in the application specification. Copies of the cited references are also enclosed herewith. The abstract of each reference provides a concise explanation thereof.

This IDS is being submitted simultaneously with the application for patent in this matter; therefore, the undersigned respectfully submits that no fee is due for filing this IDS. The Commissioner is hereby authorized to charge to deposit account 23-0442 any fee deficiency required to submit this IDS.

Respectfully submitted,



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Dated: September 16, 2003

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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT				ATTY DOCKET NO. 915-007.047		SERIAL NO. T B Assign d	
				APPLICANT: J. MAUNUKSELA			
				FILING DATE: Herewith		ART UNIT: To Be Assigned	
<b>UNITED STATES PATENT DOCUMENTS</b>							
EXAM. INITIAL		DOCUMENT NUMBER	DATE	INVENTOR/ASSIGNEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		2003/0058956	Mar. 27, 2003	<i>Rosnell et al.</i>			
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO
<b>OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)</b>							
	1	A. Jayaraman et al., " <i>Linear High-Efficiency Microwave Power Amplifiers Using Bandpass Delta-Sigma Modulators</i> ," IEEE Microwave and Guided Wave Letters, Vol. 8, No. 3, March 1998, pp.121-123.					
Examiner (To be assigned)				Date:			